

## COMMENTS FOR SUBSOIL SAMPLES

56 Subsoil is sufficient in magnesium for good plant growth if hardpans disrupted, depth to the subsoil no greater than 20 inches, subsoil soil pH not less than 5.0, and the crop capable of growing roots into the subsoil. (When subsoil test magnesium is greater than 46 lbs magnesium per acre.)

57 Subsoil potassium is sufficient for good plant growth if root restricting hardpans are disrupted, depth to the subsoil no greater than 20 inches, subsoil soil pH not less than 5.0, and the crop capable of growing roots into the subsoil. When subsoil potassium tests high or excessive, reduce the recommended top soil potash rate by one-half. (When subsoil test potassium is greater than 156 lbs potassium per acre.)

58 Subsoil sulfur is sufficient for good plant growth if root restricting hardpans are disrupted, depth to the subsoil no greater than 20 inches, subsoil soil pH not less than 5.0, and the crop capable of growing roots into the subsoil. (When subsoil test sulfur is greater than or equal to 40 lbs sulfur per acre.)

59 Since subsoil sulfur level is low, fertilizer should contain sufficient sulfur to supply 10 to 15 lbs sulfur per acre. (When subsoil test sulfur is less than 40 lbs sulfur per acre.)

76 Based on subsoil potassium test results, no adjustment recommended for potash fertilizer rate. However, in-row subsoiling may need to be a part of routine cultural practice for row crops if clay layer is within 20 inches depth from the surface. (When subsoil test potassium is less than or equal to 71 lbs potassium per acre.)

77 Subsoil potassium test level is medium. Reduce potash recommended rate based on topsoil potassium test by one-fourth. In-row subsoiling needs to be part of routine cultural practice for row crops if clay layer is within 20 inches of the surface. (When subsoil test potassium is medium.)

78 Subsoil potassium test level is excessive. Reduce recommended potash rate based on the topsoil potassium test by three-fourths. In-row subsoiling needs to be part of routine cultural practice for row crops if clay layer is within 20 inches of the surface. (When subsoil test potassium is excessive.)